Presentation by

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Commander, Mississippi Valley Division
U.S. Army Corps of Engineers

April 16-20, 2007

Briefing Outline

- Mississippi River Commission
- 80th Anniversary of 1927 Flood
- 1928 Flood Control Act
- MRC Authorities
- Listening, Inspecting, Partnering, Protecting
- MR&T Funding Trends
- Hurricane Katrina
- MVD Funding Trends
- Road Ahead

Mississippi River Commission

- Presidential appointed commission; established 1879
- Headquartered in Vicksburg, Miss.
- MRC work carried out by six Corps of Engineers district offices in the Mississippi valley
- Authority extends for entire rive headwaters to Head of Passes
- Transcends regional entanglem

~~List~~ening, Inspecting, Partnering, Protec~~ting~~

1927 Flood
80th Anniversary

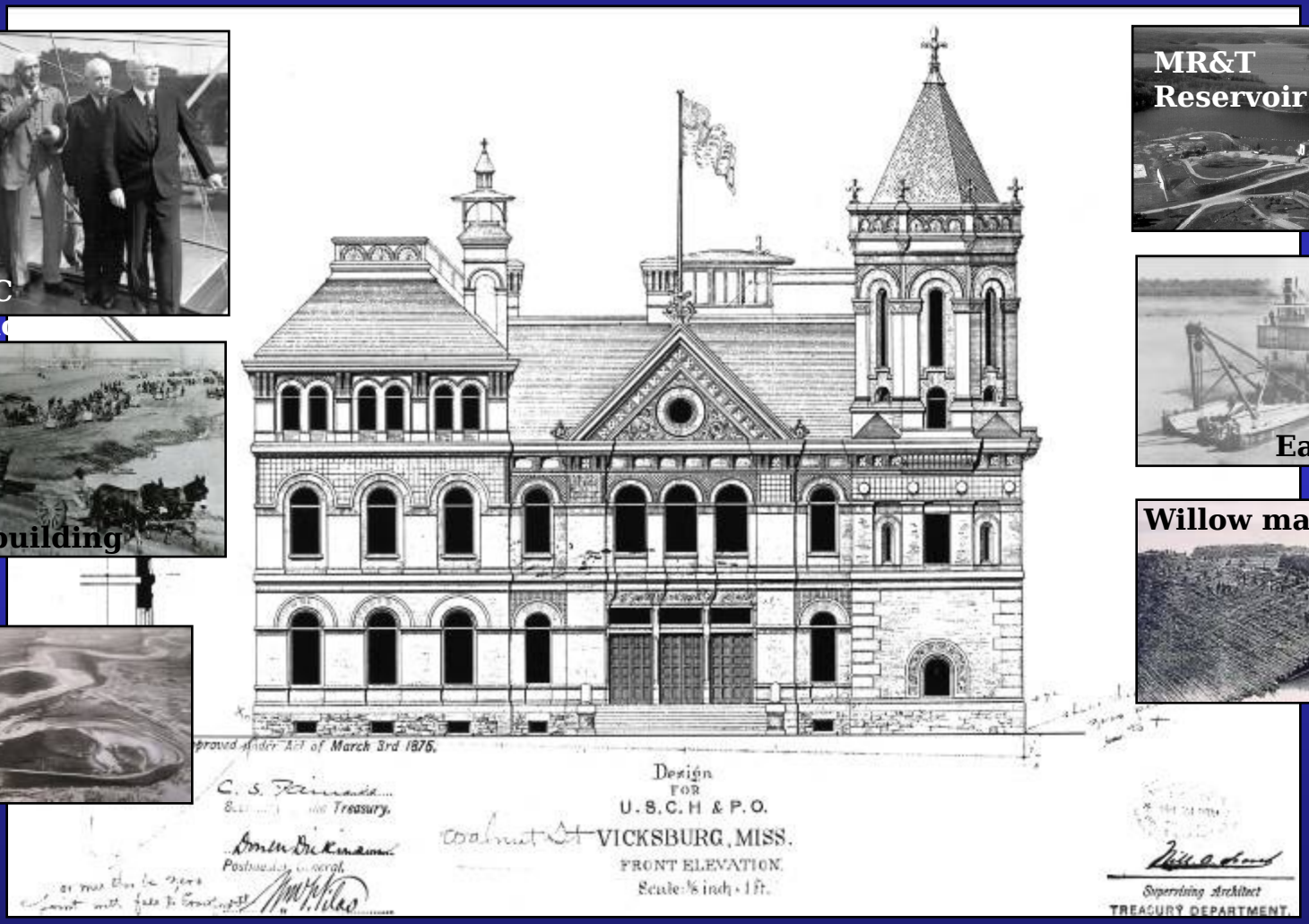
- ~250 deaths
- 325,000 refugees
- 162,000 homes inundated
- 16.6 million acres flooded

1928 Flood Control Act

1939 MRC Commissi

Early levee building

Cutoffs



MR&T Reservoir

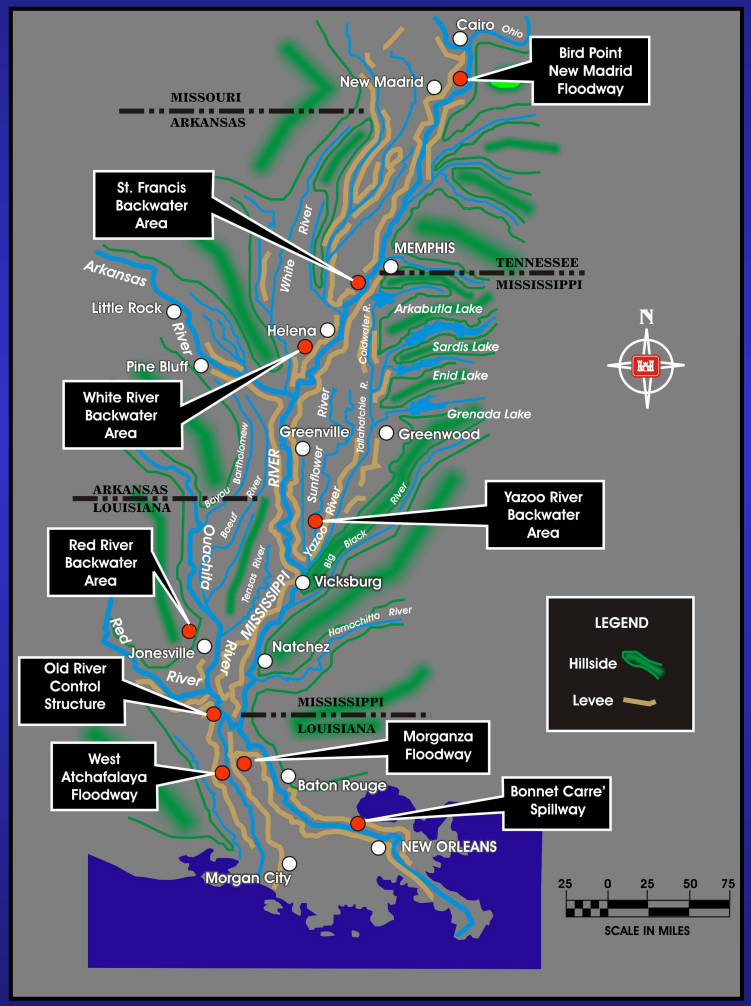
Early dredge

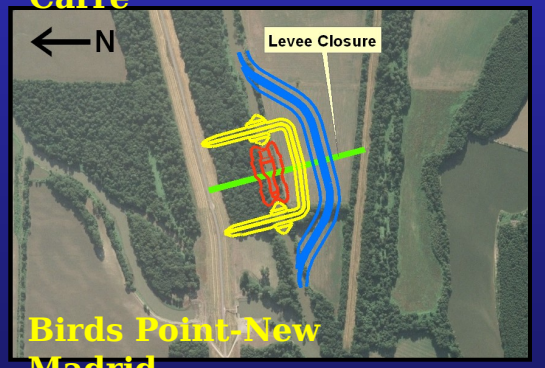
Willow mats

Listening, Inspecting, Partnering, Protecting

Floodways

- **Birds Point-New Madrid – operated once, 1937**
- **West Atchafalaya – never operated**
- **Morganza – operated once, 1973**
- **Bonnet Carré – operated 8 times between 1937 and 1997**





Listening, Inspecting, Partnering, Protecting

Levees

- 3,727 miles of levees authorized for entire system; 3,486 miles in place
- 1,950.4 miles complete to full grade and section; including 1,610 of Miss. River levees
- 6.82 miles of Miss. River levees completed in FY06
- Main stem
  93.4% com

Navigation

- Revetment
  - 3.0 miles completed in FY06
  - 1,097 miles authorized - 1,047 miles completed
  - 95.4 % complete
- Dikes
  - 5.2 miles completed in FY06
  - 362 miles authorized 320 miles complet
  - 88.4 % complete
- Dredging
- Cutoffs

Environmental

MRC Authorities
1879 Originating Act

46th Cong., Sess. I. Ch 43.1879: An act to provide for the appoint of a Mississippi River Commission for the improvement of said river from the Head of Passes near its mouth to its headwaters.

- Direct surveys of the entire river: Head of Passes to headwaters near Lake Itasca, Minn.
- Additional topographical and hydrographical examinations of the entire river and its tributaries as necessary for general improvement of the river
- Request Secretary of Army to detail officers, men, vessels, machinery and instruments from the Corps of Engineers
- Request Secretary of Commerce to detail officers, men, vessels, machinery and instruments from NOAA
- Request Secretary of Army to hire

Listening

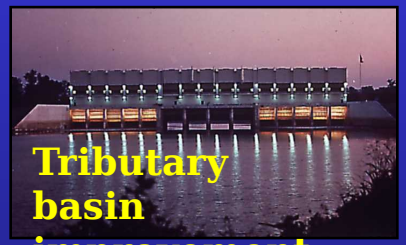
Inspecting

Partnering

Protecting

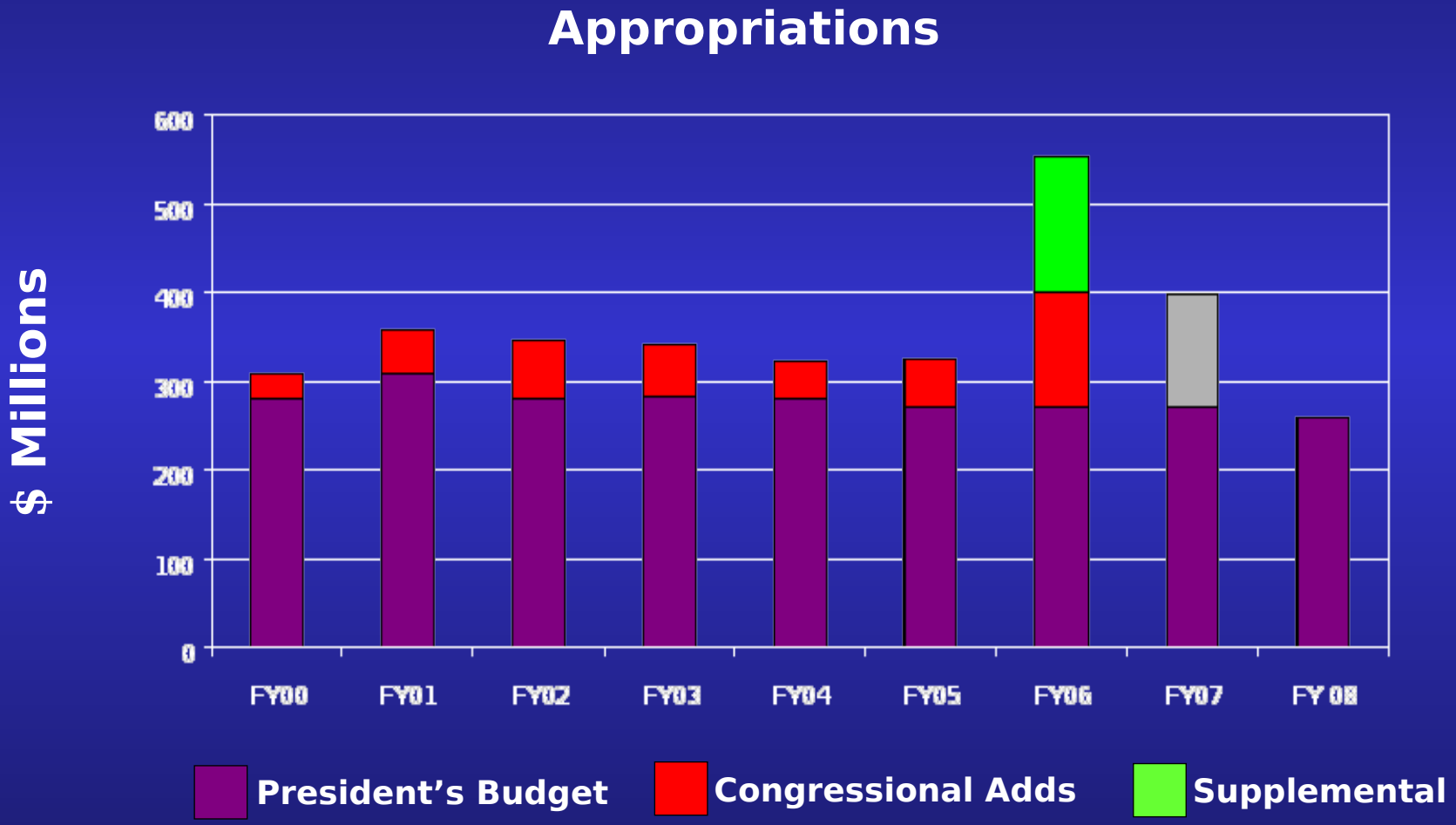
Mississippi River & Tributaries Project

- 35,000 square mile flood plain
- Ten million acres of farmland, plus numerous urban centers, protected from flooding
- $12.9 billion invested since 1928
- $306 billion in flood damages prevented since 1928
- 24 to 1 return on investment
- Approximately 4 million people protected
- 497 million tons of cargo moved in 2004
- $4.2 billion saved annually in transportation benefits
- 92 percent complete, with an estimated completion date of 2032

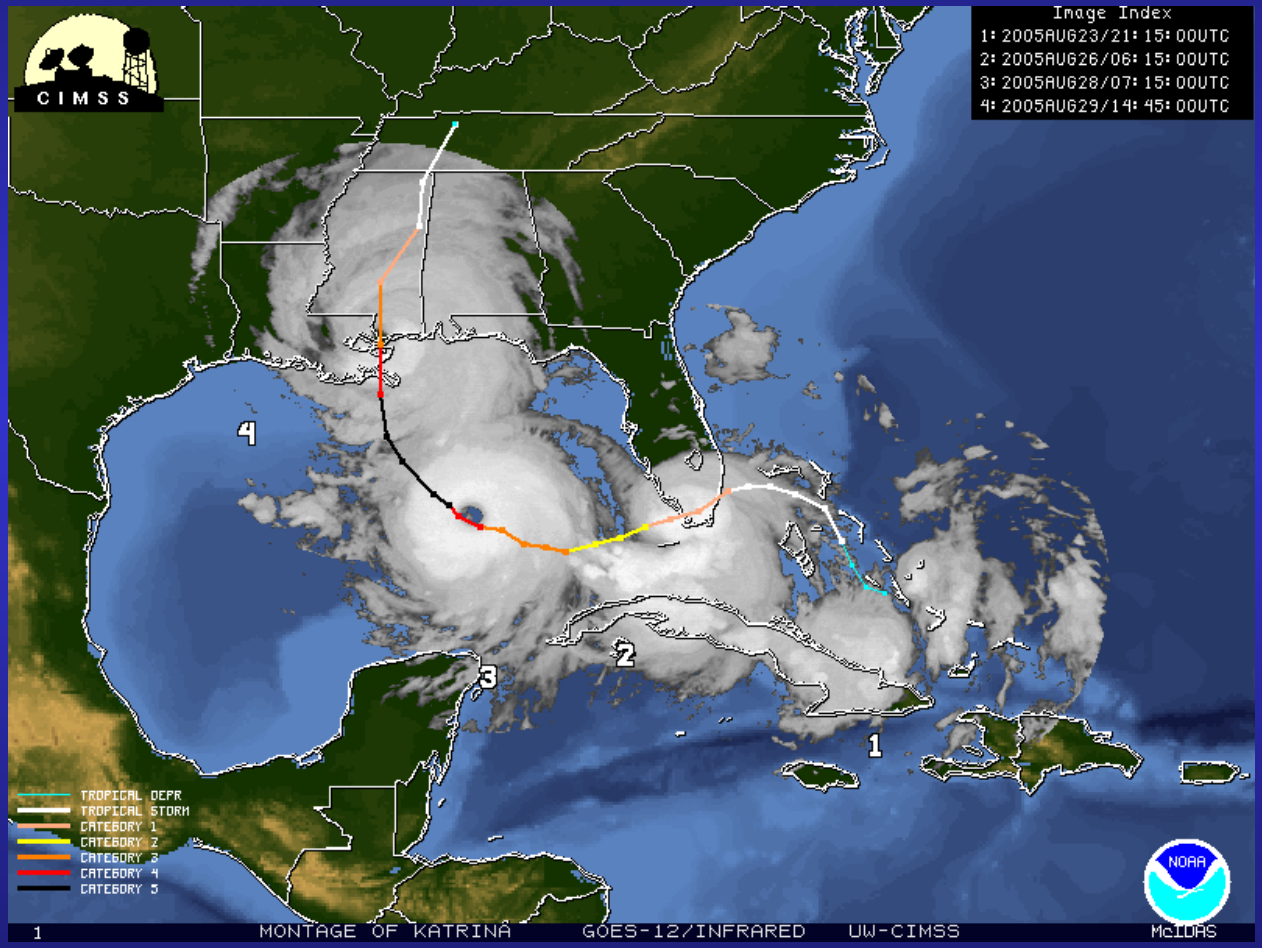


Listening, Inspecting, Partnering, Protecting

MR&T Funding Trends



Hurricane Katrina



- One of America's largest natural disasters
- Category 5 strength less than 12 hours before landfall
- 127 MPH wind at Louisiana landfall
- Maximum surge of 28-30 feet along Mississippi coast
- 75 percent of New Orleans flooded

Task Force Hope

D+600
C-42

~~Listen~~ening, Inspecting, Partnering, Protec~~ting~~

Response Mission

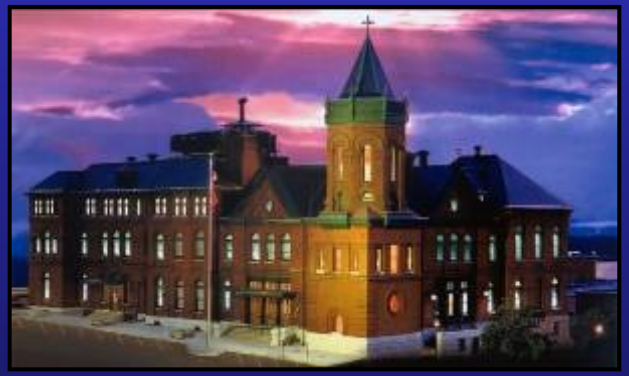
- **Support Federal Emergency Management Agency**
  - **Unwater New Orleans**
  - **Provide ice, water, power, debris removal, temporary roofing and technical assistance**
- **Support Department of Defense response**
  - **Support Joint Task Force Katrina**
- **Continue inherent Corps of Engineers missions**
  - **Flood control**
  - **Navigation**
  - **Civil works projects**
- **Reconstitute New Orleans District**

FEMA Mission Status

Hurricane Katrina			
Mission	*Mississippi*	*Louisiana*	*Complete*
Ice	**1,300 trucks**	**1,533 trucks**	**100%**
Water	**939 trucks**	**2,178 trucks**	**100%**
Power			
Assessed	**470**	**928**	**100%**
Installed	**160**	**288**	**100%**
Roofing	**49,892**	**81,318**	**100%**
Structures	**726**	**310**	**100%**
Debris	**20.4 million cy**	**28.4 million cy**	**96%**
Funding			
Allocated	**$1.31 billion**	**$3.04 billion**	
Obligated	**$1.17 billion**	**$2.70 billion**	**89%**

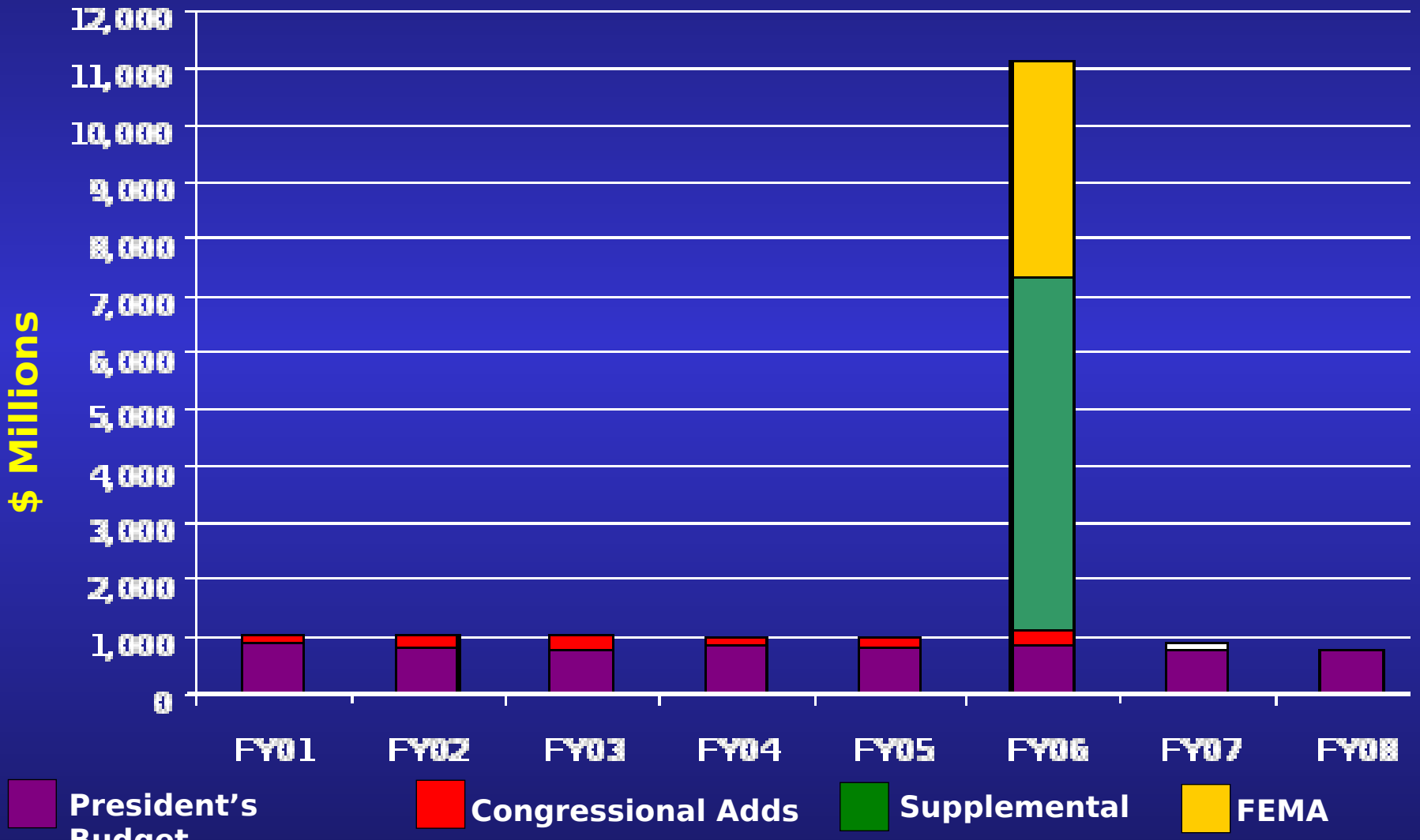
MRC Assets-Enablers

- **Mississippi River & Tributaries Project**

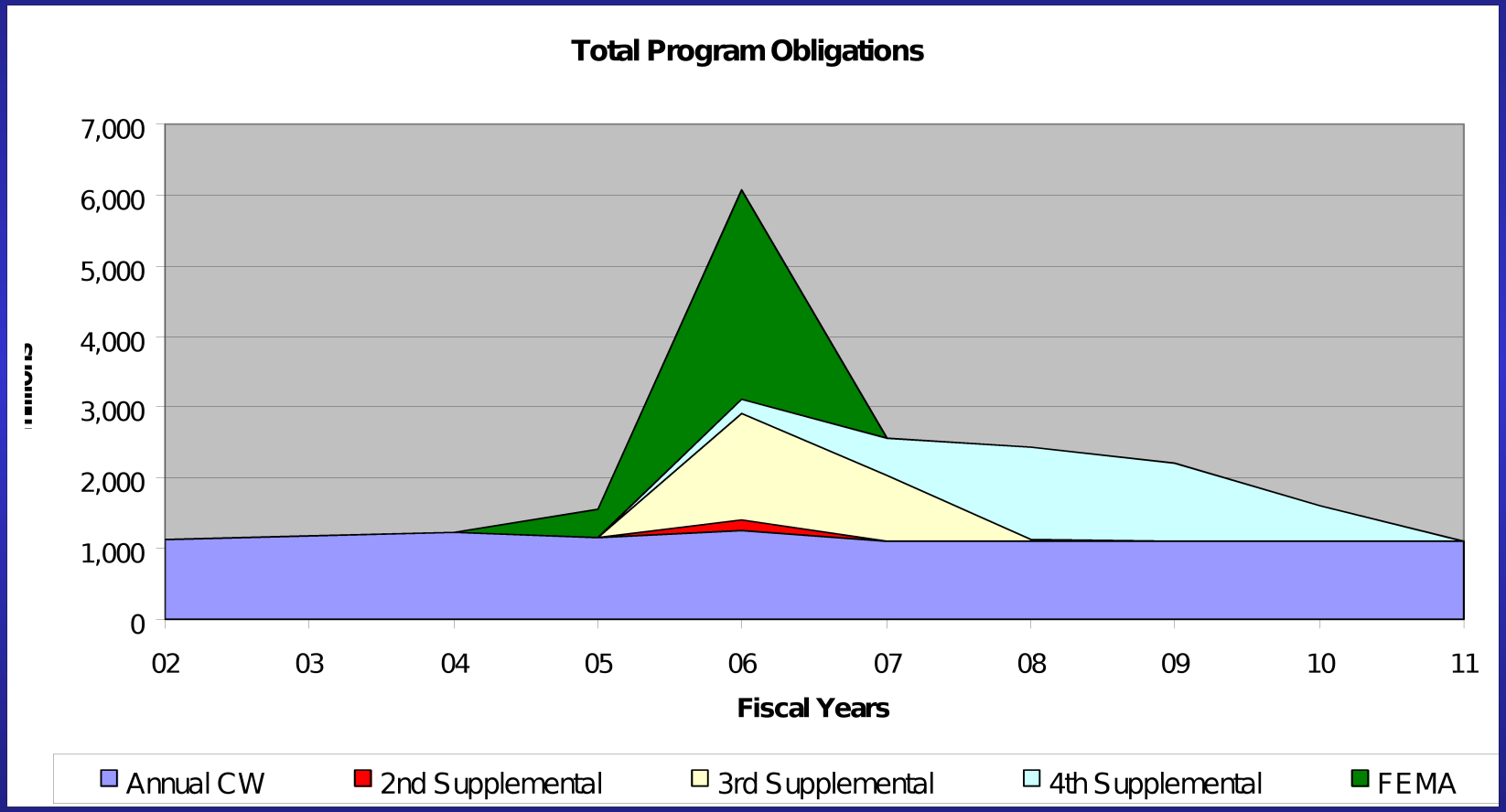


Listening, Inspecting, Partnering, Protecting

Mississippi Valley Division Funding Trends



Mississippi Valley Division Obligation Trends



Call to Duty

It's The People

Listening, Inspecting, Partnering, Protecting

Response Organization

Hurricane Protection System Projects Summary

Projects
266

Complete
49

In Construction
49

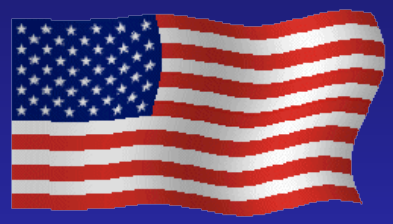
In Design
132

Prepping for P&S
36

Road Ahead

- Restore undamaged levees / floodwalls to originally authorized heights
- Accelerate completion of unconstructed portions of authorized projects
- Evaluate Higher Levels of Protection: Louisiana Coastal Protection and Restoration Report - preliminary report completed June 2006, final due December 2007
- Complete FEMA (ESF3) missions – demolition and debris removal in New Orleans
- Make improvements to optimize the performance of the existing system
- Correct floodwall deficiencies
- Raise system to provide 100 year level of protection by 2010
- Be prepared for next hurricane season – June 1, 2007

HOOAH!



HOOAH (Who-a) adj. [slang used by soldiers] referring to or meaning anything and everything except "no." 1. what to say when at a loss for words. 2. good copy, solid copy, roger, good, great, message received, understood. 3. glad to meet you, welcome. 4. I don't have the answer -- but will check on it; I haven't the vaguest idea. 5. I am not listening. 6. that's enough of your drivel -- sit down. 7. stop sniveling. 8. oh no way! you've got to be kidding! 9. yes. 10. thank you. 11. go to the next slide. 12. you've taken the correct action. 13. I don't know what that means, but I am too embarrassed to ask for clarification.

District Report

COL Richard Wagenaar